

## ABSTRACT

5 This invention relates to vaccines and methods for protecting dogs against disease  
caused by *Bordetella bronchiseptica*. This invention also relates to combination vaccines and  
methods for protecting dogs against disease or disorder caused by canine pathogens, for  
example, infectious tracheobronchitis caused by *Bordetella bronchiseptica*, canine distemper  
caused by canine distemper (CD) virus, infectious canine hepatitis (ICH) caused by canine  
adenovirus type 1 (CAV-1), respiratory disease caused by canine adenovirus type 2 (CAV-2),  
10 canine parainfluenza caused by canine parainfluenza (CPI) virus, enteritis caused by canine  
coronavirus (CCV) and canine parvovirus (CPV), and leptospirosis caused by *Leptospira*  
*Bratislava*, *Leptospira canicola*, *Leptospira grippotyphosa*, *Leptospira icterohaemorrhagiae* or  
*Leptospira pomona*. The vaccines of the present invention include a *Bordetella bronchiseptica*  
p68 antigen.

15